

**DEPARTMENT OF TRANSPORTATION****DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-002374**Date Inspected:** 17-Nov-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai**Quality Control Contact:** William (Bill) Oak**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coating Inspection**Bridge No:** 34-0006**Component:** Office, OBG 6CW, Lift 1 East, OBG 7AW, L**Bid Item:** 77, 78, 79**Lot No:** B265**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

Office

Attend to report writing and project documentation.

OBG 6CW

Internal surfaces were requested for a Final Inspection from ZPMC. Undercoated surfaces exhibited sanding marks, burnishing of undercoat, dirt dust holidays and incomplete repairs. Repairs were in process and on-going at the time of the inspection.

Lift 1 East

Received a call from ASMR Skyler Guest relative to installed Shim Plate of connection of Traveler Rail Bracket assembly, shim plate was fabricated "in situ" and tapered to fit connection and two pieces were observed. Caltrans QA Lumley discussed situation with Caltrans Engineer and suggested applying caulking the perimeter of the entire assembly.

OBG 7AW

Entered into the blasting workshop and is scheduled for a VT inspection during nightshift operations. Caltrans QA Paul Dawson notified.

Lift 1 West

ZPMC installed and utilized heat and dehumidification system to internal areas and enclosed end with tarp to ascertain achievability for repairs and abrasive blasting and coating application to control ambient conditions.

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## SOURCE INSPECTION REPORT

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Note: All inspections were performed jointly with ABF & ZPMC QA/QC representatives and Caltrans QA Lumley when achievable. International Protective Coatings technical service representative were available for inspections and consultation.

### Summary of Conversations:

No relevant conversations on this date.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang (858) 699-9549, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Lumley,James	Quality Assurance Inspector
<b>Reviewed By:</b>	Peterson,Art	QA Reviewer

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